


Newsletter No. 3

Research on Photointerpreter Performance

September 30, 1964

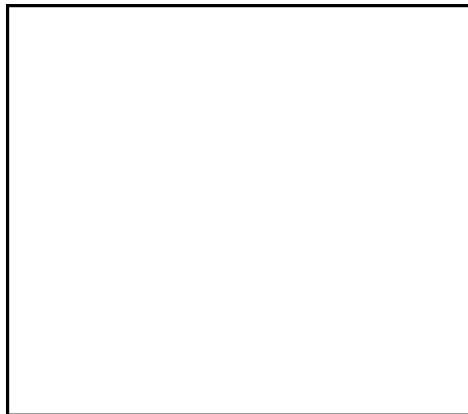
Prepared by

A small rectangular box used to redact the name of the person who prepared the newsletter.

25X1

25X1

To:

A large rectangular box used to redact the list of recipients for the newsletter.

NGA review(s) completed.

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Research on Photointerpreter Performance

Early in August JWC requested that an experiment be performed, on an accelerated basis, to determine PI performance as a function of ground resolution. In response to this request a three-month program was immediately started and the long-term plans postponed.

The area near San Diego was selected as one having a variety of preferred targets in close proximity of one another. Specific flight lines were laid-out and on August 28th, specific areas were photographed at 1:6000 scale with two cameras, one loaded with type 8402 film, the other with type 4400 film. During the photography DNB et. al. recorded an inventory of mobile targets in the area. After film processing, 20 9 inch x 9 inch film areas were selected by FF, RW, BJ and FS and gem-making was started. FF then photographed on the ground a large number of the targets within the selected areas.

At present DNB & AH are developing the tests using material regarding user's requirements which was collected by BJ. Gems are being made as rapidly as possible.

25X1 The gems will be approximately 9 x 9 inches (positive transparencies) and will be simulations of 8.75 x enlargements of 1:50, 333 scale material having ground

Tentative plans call for DNB, AH and FS to visit FF's shop on 12 October to begin testing with gems of at least two resolutions, [] All gems are scheduled to be completed on 16 October. The gems will be of such resolution that use of a loupe will be sufficient; PI's will be directed to specific film areas within each gem using transparent overlays designating these areas.

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Miscellaneous

Since the writing of the last newsletter:

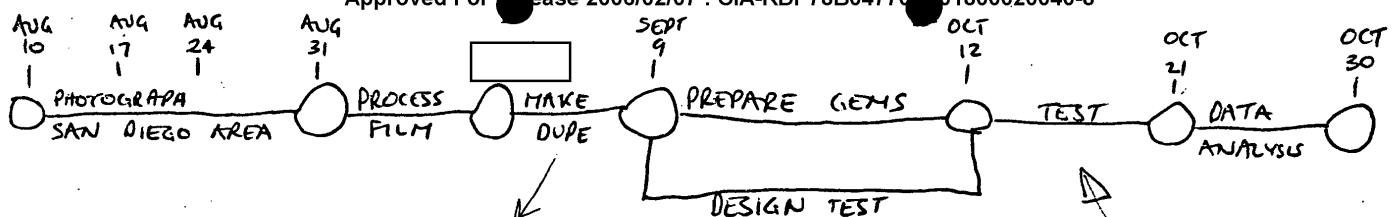
25X1 1. [] has joined the project.

2. RW was married and will no longer work on 12 October.

-2-

3. Fires in Santa Barbara came very close to DNB's office and the home of one of DNB's fellow-workers whose previous house in L.A. was destroyed by fire last December, and
4. In contrast, this letter is being written where it is raining - after the second worst drought of this area!

FS.



INTELLIGENCE ANALYSTS:
THRU O.I. COORDINATES
(REQUIREMENTS)

- EXCELLENT GND TRUTH
- HIGH DENSITY OF TARGETS
- GREAT VARIETY OF TARGETS
- 1:5000 SCALE
- 20 FRAMES EACH
COVERING 3300X3300 FT
OF APPROX 6 INCH GND RES.

(20) 8"x8" GEMS SIMULATING
APPROX 40X ENLARGEMENT
OF PHOTO TAKEN AT _____
ALTITUDE WITH _____ FT
F.L. LENS (1:8000)

GND RESOLUTION OF 9 INCH
16 INCH } IF TIME
24 INCH } ALLOWS
36 INCH

PI PERFORMANCE
AS FUNCTION
OF GND RESOLUTION

CORONADO ISLAND
& SAN DIEGO AREA